

LLOYD'S REGISTER OF SHIPPING  
UNITED WITH THE BRITISH CORPORATION REGISTER  
SURVEYS FOR FREEBOARD  
(COMPUTATION FOR ~~STEAMER, SAILING SHIP,~~ TANKER)

Received .....

Received 45739  
Index No.

Govt. Copy .....

Owners C11.....

Ship's Name	Official Number	Nationality and Port of Registry	Gross Tonnage	Date of Build
WINATAC. Ex (MOBILUBE).		Panamanian Panama.	10221	1939

  

Moulded Dimensions: Length		Breadth	Depth
427.5'		68.0	37.0
Freeboard Length			
Moulded displacement at moulded draught = 85 per cent. of moulded depth (excluding bossing) tons			
Coefficient of fineness for use with Tables 7544			

  

Port of Survey	Date of Survey	Surveyor's Signature	Particulars of Classification
Marseille	8/12/38	Pierre Fonder	+ 100 A/ C.P.I.B.

DEPTH FOR FREEBOARD (D).		DEPTH CORRECTION.		ROUND OF BEAM CORRECTION.	
Moulded depth	... .. 37.00	(a) Where D is greater than Table depth (D-Table depth) R =		Moulded Breadth (B)	68.00 ✓
Stringer plate	... .. 09	(37.09 - 32.50) 4.59 ✓ 3.0 = 13.77 ✓		Standard Round of Beam = $\frac{B \times 12}{50}$ =	16.32 ✓
Wood Sheathing on exposed deck		(b) Where D is less than Table depth (if allowed) (Table depth-D) R =		Ship's Round of Beam =	17.00 ✓
T $\left(\frac{L-S}{L}\right)$ =				Difference	.68 ✓
Depth for Freeboard (D) =	37.09	If restricted by superstructures		Restricted to	
				Correction = $\frac{\text{Diff}^e}{4} \times \left(1 - \frac{S_1}{L}\right)$ =	.68 × .6031 = -.41 ✓

### DEDUCTION FOR SUPERSTRUCTURES.

	Mean Covered Length (S)	Equivalent Enclosed Length (S <sub>1</sub> )	Height	Height Correction	Effective Length (E)
Poop enclosed ... ..	106.13 ✓	106.13 ✓	8.0' ✓	-	106.13 ✓
" overhang ... ..	-				
R.Q.D. enclosed ... ..	-				
" overhang ... ..	-				
Bridge enclosed ... ..	34.00 ✓	34.00 ✓	8.0' ✓	-	34.00 ✓
" overhang aft ... ..	3.00 ✓	2.25 ✓			2.25 ✓
" overhang forward ...	3.00 ✓	1.50 ✓			1.50 ✓
F'cle enclosed ... ..	49.62 ✓	49.62 ✓	8.0' ✓	-	49.62 ✓
" overhang ... ..	-				
Trunk aft ... ..	-				
" forward ... ..	-				
Tonnage opening aft ...	-				
" " forward ...	-				
Total ... ..	195.75	193.50			193.50

Standard Height of Superstructure 4'-6" ✓

" " R.Q.D. ✓

Deduction for complete superstructure 42.00" ✓

Percentage covered  $\frac{S}{L} = 40.16 ✓$

" "  $\frac{S_1}{L} = \left. \begin{array}{l} \\ \\ \end{array} \right\} 39.69 ✓$

" "  $\frac{E}{L} =$

Percentage from Table, Line A. Tanker 30.69 ✓  
(corrected for absence of forecastle (if required))

Percentage from Table, Line B.  
(corrected for absence of forecastle (if required))

Interpolation for bridge less than .2L (if required)

Deduction = 42.00 × 30.69 = 12.89 ✓

**SHEER CORRECTION.**

Station	Standard Ordinate	S M	Product	Actual Ordinate	Effective Ordinate	S M	Product
A.P. ...	58.75	1	58.75	78.25	78.25	1	78.25
$\frac{1}{2}$ L from A.P. ...	26.14	4	104.56	37.00	37.00	4	148.00
$\frac{2}{3}$ L " ...	6.46	2	12.92	9.75	9.75	2	19.50
Amidships ...	0	4	0	0	0	4	0
$\frac{2}{3}$ L from F.P. ...	12.93	2	25.86	17.00	17.00	2	34.00
$\frac{1}{2}$ L " ...	52.29	4	209.16	59.38	59.38	4	237.52
F.P. ...	117.50	1	117.50	120.00	120.00	1	120.00
Total ...			528.75				637.27

$$\frac{\text{Mean actual sheer aft}}{\text{Mean standard sheer aft}} =$$
$$\frac{\text{Mean actual sheer forward}}{\text{Mean standard sheer forward}} =$$

Length of enclosed superstructure forward of amidships =  
L  
" " aft of " = } Tanker

Correction =  $\frac{\text{Difference between sums of products}}{18} \left( \frac{.75 - \frac{S}{2L}}{2} \right) = \frac{108.52}{18} \times \frac{(.75 - .2008)}{2} = 3.31 - 3.31 = 0$

If limited on account of midship superstructure. If limited to maximum allowance of  $1\frac{1}{2}$  ins. per 100ft.

**Deduction for Tropical Freeboard.**  
**Addition for Winter and Winter North Atlantic Freeboard.**

### Deduction for Fresh Water.

TABULAR FREEBOARD ~~corrected for Flush Deck (if required)~~  
Correction for coefficient  $\frac{.7824 \times .68}{1.36} = \frac{.532032}{1.36}$

84.50.

89.12

	Ft.
Depth to Freeboard <sup>d</sup> Deck =	<u>37.09</u>
Summer freeboard =	<u>7.21</u> ✓
Moulded draught (d) =	<u>29.88</u> ✓
Keel allowance =	
Extreme draught =	

Displacement in salt water at  
summer load water line  
 $\Delta =$   
Tons per inch immersion at  
summer load water line  
T =

Depth Correction	...	...	...	...	13.77	✓
Deduction for superstructures	...	...	...	...	✓	12.89
Sheer correction	...	...	...	...	✓	3.31
Round of Beam correction	...	...	...	...	✓	0.10
Correction for Thickness of Deck amidships	...	...	...	...	✓	✓
Other corrections, scantlings, etc.	...	...	...	...	✓	✓

13.77	16.30	-	2.5
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Summer Freeboard = 2.6

Summer 1900-01	8613
" " "	8613

$$7' - 2\frac{1}{2}" = 219\frac{1}{2}"$$

board ... 1804

... 1994

... 2007

... 2387

... 2508

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Foundatio

11825 - 175

011825-0125

**SUMMER FREEBOARD** amidships from Centre of Disc to top of Deck Line, ~~Wood~~, Steel, Deck :—

AND AS PREVIOUSLY  
ASSIGNED BY  
AMERICAN BUREAU.  
OF  
SHIPPING.

31.

Tropical Fresh Water Line above Centre of Disc	393	1/2	✓
Fresh Water Line	203	1/2	✓
Tropical Line	190	1/2	✓
Winter Line below	190	1/2	✓
Winter North Atlantic Line	311	1/2	✓

Tropical Fresh Water Freeboard	...	...	1804	-/-
Fresh Water	50	...	1994	-/-
Tropical	50	...	2007	-/-
Winter	50	...	2387	-/-
Winter North Atlantic	50	...	2508	-/-



